

MARINE CORPS WARFIGHTING LABORATORY

The purpose of the **MP7 Personal Defense Weapon (PDW)** initiative is to examine a possible replacement for the current Marine Corps sidearm.

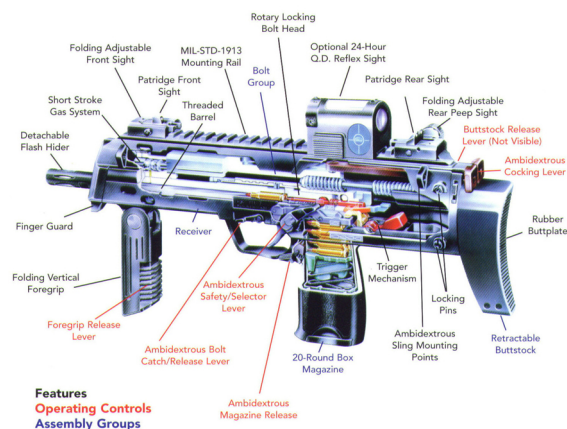
Background: The PDW is being examined as a potential replacement for the aging 9 mm Baretta pistol. The Baretta's lack of range, penetration and ammunition capacity are problems that have been identified by operating forces. The PDW initiative seeks to remedy these problems by providing the warfighter with a compact, lightweight alternative that possesses the firepower operational forces are seeking.

Description: The PDW provides the penetration and lethality approaching that of an assault rifle in a package small and portable enough to be carried like a handgun. It is lightweight (3.8 pounds with a loaded 20 round magazine and can be fired with one or two hands or from the shoulder using a retractable buttstock. It has a folding vertical foregrip which allows for increased stability and increased hit probability. It is gas operated and fires from the closed bolt position, using a rotary locking bolt system. Operating controls include a M16-style cocking handle, safety/selector lever, magazine release and bolt catch/release are ambidextrous.

The MP7 is manufactured predominately of carbon fiber reinforced polymer with embedded metal components. It can be field stripped without tools and requires little cleaning due to the unique gas system employed in the design. The MP7 is fitted with a removable full length MIL-STD-1913 rail on top of the receiver for mounting optional targeting devices. Standard folding mechanical peep sights can be fitted to the top rail or a specifically designed 24-hour reflex sight can be attached in seconds without tools. The reflex site provides a single red aiming dot for 24 hour use when the weapon is fired from the shoulder or at arms length like a handgun.

MP7 Personal Defense Weapon

fact sheet



Weapon Characteristics:

Bolt system: Closed bolt, gas operated
Overall Length: 14.9 inches (buttstock retracted)
Width: 1.65 inches
Height: 6.77 inches
Barrel length: 7.09 inches
Muzzle velocity: Approx. 2461 fps
Maximum range: 1720 meters
Ammunition: 4.6 x 30 mm
Magazine capacity: 20 & 40 rounds
Firing Modes: semi-auto, full -auto

Deliverable Products: To provide a possible replacement for the current Baretta 9mm pistol.

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